



**NRL BAA Announcement
74-13-02**

SEAFLOOR SCIENCES

The Naval Research Laboratory's (NRL) Seafloor Sciences Branch conducts biogeochemical, geophysical, geoacoustic and geotechnical research of marine sediments which advances the development and/or performance of naval sensors and systems. Research conducted includes investigation and modeling of the fundamental micro to macro-structural properties which control sediment geoacoustic and geotechnical properties and which are functions of depositional and post depositional processes. NRL is responsible for developing, assessing, and improving models and data bases for all seafloor properties of interest to the Navy.

NRL invites proposals on biological, geological, geochemical, historical, and subsequent diagenetic processes that control the distribution, range, and variability of sediment physical properties including bathymetry, roughness, and subseafloor morphology. Proposals that develop state-of-the-art laboratory, in situ, and remote sensing instrumentation to measure required geophysical, geoacoustic, and geotechnical properties both under controlled laboratory conditions and in the field are also encouraged.

Address White Papers (WP) to nrlproposals. Allow one month before requesting confirmation of receipt of WP, if confirmation is desired. Substantive contact should not take place prior to evaluation of a WP by NRL. If necessary, NRL will initiate substantive contact.